



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Friday Evening, February 13, 2009

Electricity

Update: More Than 220,000 Customers Remain without Power in Eastern U.S. Following Wind Storms February 13

High winds knocked down transmission lines and left 1,490,726 customers without power in states from Ohio, Kentucky and Tennessee through to the Middle Atlantic. Approximately 223,621 customers remain without power. The following table lists peak outages and restoration figures, based on latest available numbers.

Eastern U.S. Customer Power Outages February 11-13, 2009			
Electric Utility	State	Peak	Latest Reported
AEP	OH	167,500	20,000
Ohio Edison	OH	172,000	23,000
Duke Energy	OH	76,305	40
Cleveland Electric Illuminating	OH	68,000	35,000
Dayton Power and Light	OH	60,000	600
South Central Power	OH	22,370	435
Toledo Edison	OH	19,600	74
Kentucky Utilities	KY	44,000	1,200
Kenergy	KY	10,960	5,174
Kentucky Coops	KY	22,000	5,866
AEP	KY	38,800	12,369
Louisville Gas & Electric	KY	37,000	2,300
Duke Energy	KY	8,828	8
Appalachian Power	WV	85,000	17,090
NYSEG & RG&E	NY	45,000	5,200
National Grid	NY	31,280	2,042
LIPA	NY	8,344	94
Knoxville Utilities Board	TN	49,234	704
Volunteer Energy Cooperative	TN	12,000	0
Nashville Electric	TN	8,818	10
Greenville Light and Power System	TN	4,000	1,000
Duke Energy	IN	43,965	149
AEP	IN	21,000	0
Indianapolis Power and Light	IN	6,000	0
Penelec	PA	108,000	42,000
Duquesne	PA	44,000	2,800
Pennsylvania Power	PA	27,500	5,400
PPL	PA	23,451	483
Metropolitan Edison	PA	30,000	5,800
Delmarva Power	MD	1,800	3
Baltimore Gas & Electric	MD	45,170	212
Pepco	MD	3,850	27
Dominion	VA	16,059	278
Appalachian Power	VA	12,000	0
Jersey Central Power and Light	NJ	84,000	25,600
Atlantic City Electric	NJ	5,016	2

Public Service Electric and Gas	NJ	4,800	390
Ameren	IL	14,590	32
Connecticut Light and Power	CT	8,486	348
TOTAL*		1,490,726	215,730

*Total outages only represent electric utilities listed in this table.

Sources:

AEP Ohio:

<http://www.aepohio.com/news/outages/viewstorm.asp?stormName=February%2011%20Ohio%20Wind%20Storm>

Ohio Edison; Cleveland Electric Illuminating; Toledo Edison; Penelec; Penn Power; Metropolitan Edison; Jersey Central Power and Light: http://www.firstenergycorp.com/NewsReleases/2009-02-12_February_Storm_Release_2%20.pdf

Duke Energy Ohio: <http://www.duke-energy.com/ohio/outages/current.asp>

Dayton Power and Light: <http://www.waytogo.com/>

South Central Power: http://www.southcentralpower.com/OW/ow_map.aspx?county=0

Kentucky Coops: http://psc.ky.gov/ors/PublicInfo_OutageIncidents.aspx

Kenergy: <http://www.kenergycorp.com/news/newsdetail.aspx?itemID=53>

Kentucky Utilities: <http://www.eon-us.com/storm/default.asp>

AEP: http://psc.ky.gov/ors/PublicInfo_OutageIncidents.aspx

Louisville Gas & Electric (LG&E): <http://www.eon-us.com/storm/default.asp>

Duke Energy Kentucky: <http://www.duke-energy.com/kentucky/outages/current.asp>

Appalachian Power:

<http://www.appalachianpower.com/news/outages/viewstorm.asp?stormName=Feb.%2011%20Wind%20Storm>

NYSEG: <http://www.nyseg.com/OurCompany/News/2009/021309storm11am.html>

National Grid: <https://www1.nationalgridus.com/niagaramohawk/storm/OutagesByCounty.aspx>

Long Island Power Authority (LIPA): <http://www.lipower.org/stormcenter/outages/township.html>

Knoxville Utilities Board: http://www.kgis.org/website/kub_outage/mainpage.htm

Volunteer Energy Cooperative: <http://www.vec.org/article.aspx?categID=6&articleID=836>

Nashville Electric: <http://www.nespower.com/OutageMap/>

Greenville Light and Power System: <http://www.greenevillesun.com/story/301358>

Duke Energy Indiana: <http://www.duke-energy.com/indiana/outages/current.asp>

AEP Indiana:

<http://www.indianamichiganpower.com/news/outages/viewstorm.asp?stormName=February%20Wind%20Storm>

Indianapolis Power and Light:

<http://www.iplpower.com/ipl/index?page=IPLGeneral&Menu=04080000&DocID=0203917431b9011a564c24930071c8>

Duquesne:

<http://www.duquesnelight.com/codeincludes/ImportantOutageInfo.cfm?CFID=15113335&CFTOKEN=92540671>

PPL: <http://www.pplelectric.com/Outage+Center>

Delmarva Power: <http://www.delmarva.com/home/emergency/maps/outage/>

Baltimore Gas & Electric: <http://www.bge.com/portal/site/bge/menuitem.42d31413f80c584606370f10d66166a0>

Pepco: <http://www.pepco.com/home/emergency/maps/stormcenter/>

Dominion: http://www.dom.com/news/outage_sos.jsp

Atlantic City Electric: <http://www.atlanticcityelectric.com/home/emergency/maps/outage/>

Public Service Electric & Gas:

http://www.philly.com/philly/wires/ap/news/state/new_jersey/20090213_ap_utilitycrewsrestoringpowerinnj.html

Ameren Illinois: <https://www2.ameren.com/outagemap/default.aspx?state=IL>

Connecticut Light and Power (CL&P): <http://www.cl-p.com/outage/default.aspx>

Equipment Failure Causes Power Outage to Toronto's Financial Center February 12, Power Restored February 13, Toronto Hydro Reports

A primary feeder wire tripped February 12 in downtown Toronto, leading to a power outage within the city's financial center with the Toronto Stock Exchange, First Canadian Place and the RBC Center all blacked out. A Toronto Hydro spokesperson said crews reported quickly to the scene, and power has since been restored to the affected areas.

Reuters, 15:14 February 12, 2009

<http://news.aol.ca/article/tto-power/525650/>

Update: Energy Northwest's 1,131 MW Columbia Nuke Unit in Washington Ramped Up to 1 Percent by February 13

The unit was shut on February 8 due to a problem with a system that regulates steam flow across the main turbine.
Reuters, 07:19 February 13, 2009

Update: Entergy's 653 MW Pilgrim Nuke Unit 1 in Massachusetts Ramped Up to 83 Percent by February 13

The unit was reduced on February 11 due to an offsite transmission problem. The Nuclear Regulatory Commission reported that on the morning of February 12 the unit was operating at 56 percent.

Reuters, 07:13 February 13, 2009

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: Entergy's 836 MW Arkansas Nuclear Unit 1 in Arkansas Ramped Up to 96 Percent by February 13

The unit was shut on February 7 due to a fire in the turbine building. The Nuclear Regulatory Commission reported that on the morning of February 12 the unit was operating at 8 percent.

Reuters, 07:16 February 13, 2009

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

South Texas Nuclear Project to Continue with \$10 Billion Addition of Two New Nuclear Units – Austin Energy Bails on Addition Plans

NRG Energy and its partner CPS Energy announced they will move ahead with plans for the \$10 billion addition of two new nuclear units to the existing 2,560 MW South Texas Project despite a recent announcement of Austin Energy bailing on the plans. A representative for NRG said the partnership is seeking another party to take a 20-percent equity interest of Units 3 and 4, each expected to be rated 1,350 MW. Permits from federal and state officials are expected to be secured by 2012, with construction of the first unit to follow within four years.

Reuters, 19:45 February 12, 2009

OPG's 500 MW Pickering Nuke Unit in Ontario Shut February 12

Reuters, 13:31 February 13, 2009

OPG's 490 MW Nanticoke Coal-fired Unit 7 in Ontario Shut February 13

Reuters, 7:56 February 13, 2009

OPG's 494 MW Lambton Coal-fired Unit 2 in Ontario Shut February 12

Reuters, 20:26 February 12, 2009

NRG's 836 MW Limestone Coal-fired Unit 1 in Texas Shut February 12

Reuters, 20:26 February 12, 2009

TransAlta's 406 MW Sundance 4 Coal-fired Unit in Alberta Shut February 12

Reuters, 20:26 February 12, 2009

Petroleum

Update: Power Restored to Valero's 289,000 b/d Port Arthur, Texas Refinery February 12

The refinery lost power early February 12 affecting several major process units including crude and vacuum units, a hydrocracker and a fluid catalytic cracker. A Valero representative said power was quickly restored at the refinery and most units will be restored to full rates within 48 hours.

Reuters, 16:13 February 12, 2009

Calumet's 50,000 b/d Shreveport, Louisiana Refinery Restoring Production after Fire, Power Outage

A fire was reported at the refinery early February 13, with officials saying it was quickly extinguished. A representative with the refinery told the press the fire was minor and no injuries were reported. The refinery was operating at full power when the fire broke out, having returned to full power following a February 11 power outage. Bloomberg News, 11:14 February 13, 2009

Update: Oil Production at Shell's Bonny Light Crude Terminal in Nigeria at 90,000 b/d

Oil production at Nigeria's Bonny Light crude terminal, operated Shell, has fallen to around 90,000 b/d because of security concerns in the Niger Delta. On February 10, Shell declared a force majeure at its Bonny Light terminal due to security concerns. Reuters, 09:41 February 13, 2009

Natural Gas

Update: CenterPoint Energy's Champlin Natural Gas Compressor Station in Texas Sustains Heavy Damage from DCP Midstream's February 11 Gas Pipeline Explosion

A CenterPoint Energy representative said its Champlin compressor station in Texas sustained heavy damage resulting from the fire and explosion within DCP Midstream's gas pipeline and gas processing plant. CenterPoint reported zero customer outages resulting from its Champlin station being shut. Reuters, 08:11 February 13, 2009

Chesapeake Energy's CEO Announces Larger than Expected Reserves for Fayetteville, Haynesville, Barnett and Marcellus Natural Gas Shales within the U.S.

At CERAWeek's energy conference in Houston, Texas earlier this week, Chesapeake Energy's Chairman and CEO reported estimates for the company's four major U.S. shale plays; Barnett in Texas at 75 Tcf, Fayetteville in Arkansas at 75 Tcf, Haynesville in Louisiana and Texas at 500-750 Tcf and Marcellus in Pennsylvania could hold up to 1.5 Quadrillion cubic feet, making Marcellus the world's largest shale reserves.

http://www.oil.com/display_article/353261/120/ARTCL/none/Trasp/1/CERAWeek:-Global-LNG-supply-on-rise;-project-costs-falling/

Utah's I-15 to Become Compressed Natural Gas Refueling Corridor, Governor Says

With expected economic stimulus funding from Congress, Utah's governor said the state's I-15 corridor will become a hub for compressed natural gas fueling stations. Questar Gas is in the process of upgrading existing stations in the area.

<http://finance.yahoo.com/news/Utah-I15-to-be-natural-gas-apf-14351817.html>

Other News

Saskatchewan-Montana Cross-Border Project to Capture, Store CO2

The Saskatchewan-Montana Project is a \$245 million climate-change initiative with the intent to become North America's first large-scale project for storing greenhouse gases. The governor of Montana, working with Canadian government officials, reports the project would inject into underground storage in Montana approximately 1,000 tons of CO2/day originally produced by a coal plant in Canada with the greenhouse gases being sent from Canada to Montana via pipeline. Officials involved in the proposal aim to start storing carbon dioxide within two years.

<http://www.jamestownsun.com/ap/index.cfm?page=view&id=D96ACUUG1>

Energy Prices

U.S. Oil and Gas Prices February 13, 2009			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	35.51	39.40	93.30
NATURAL GAS Henry Hub \$/Million Btu	4.73	4.84	8.37

Source: Reuters

Energy Notes

Decline in Oil Prices Slows Race to Tap Arctic Supplies – CERA Energy Expert Says

Reuters, 13:03 February 12, 2009

Target In-Service Date for Canadian Hydro's 198 MW Wolfe Island Wind Project in Ontario Delayed from March 2009 to June 2009 due to Weather Complications

<http://www.marketwire.com/press-release/Canadian-Hydro-Developers-Inc-TSX-KHD-949570.html>

Alberta's Provincial Government Releases 20-Year Plan for Oil Sands Development – Stricter Environmental Rules Introduced

http://www.bloomberg.com/apps/news?pid=20601082&sid=a8i1KVW1WC_w

U.S. Recession Slows Electric Utility Spending on Capital Expenditures for New Power Plants and Transmission Lines – PPL CEO Tells CERA Energy Conference

Reuters, 16:00 February 12, 2009

President Obama says 'More Comprehensive Approach' Necessary Before Approving any Offshore Drilling along East Coast

<http://news.tradingcharts.com/futures/0/2/120445520.html>

Links

This Week in Petroleum from the Energy Information Administration (EIA)

<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

Natural Gas Weekly Update from EIA

<http://tonto.eia.doe.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EST every Thursday.

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<http://www.oe.netl.doe.gov/ead.aspx>

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